



<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO.		APPLICATION NO.		
				87792.065605		10/537.852		
				APPLICANT(S)				
				Boneham et al.				
				FILING DATE		GROUP ART UNIT		
				June 08, 2005		Unknown		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
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<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
/NK/	10	WO 01/019958 A3	03-22-2001	WO				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
EXAMINER				DATE CONSIDERED				
/Nicole Kinsey/				08/23/2007				
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*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
/NK/	11	Barnett et al, "The Ability of an Oligomeric Human Immunodeficiency Virus Type 1 (HIV-1) Envelope Antigen to Elicit Neutralizing Antibodies against Primary HIV-1 Isolates is Improved following Partial Deletion of the Second Hypervariable Region", (2001) J Virol. 75(12): 5526-40
	12	Defoort et al, "Macromolecular assemblage in the design of a synthetic AIDS vaccine", (1992) Proc Natl Acad Sci USA 89: 3879-3883
	13	Zwick et al (2001) "Identification and Characterization of a Peptide That Specifically Binds the Human, Broadly Neutralizing Anti-Human Immunodeficiency Virus Type 1 Antibody b12" J. Virol. 75: 6692-6699
	14	Cruz et al, "A Comparative Study of Different Presentation Strategies for an HIV Peptide Immunogen", (2004) Bioconjugate Chem. 15: 112-120 (NOT PRIOR ART)
	15	Angelaccio & Bonaccorsi di Patti, "Site-Directed Mutagenesis by the Megaprimer PCR Method: Variations on a Theme for Simultaneous Introduction of Multiple Mutations", (2002) Analytical Biochemistry 306: 346-9
	16	Beddows et al, "Comparison of the Antibody Repertoire Generated in Healthy Volunteers following Immunization with a Monomeric Recombinant gp120 Construct Derived from a CCR5/CXCR4-Using Human Immunodeficiency Virus Type 1 Isolate with Sera from Naturally Infected Individuals", (1999) J. Virol. 73. 1740-1745
	17	Better et al, "Escherichia coli Secretion of an Active Chimeric Antibody Fragment", (1988) Science 240, 1041-1043
	18	Bird et al, "Single-Chain Antigen-Binding Proteins", (1988) Science 242, 423-426
	19	Brons-Poulsen et al, "An improved PCR-based method for site directed mutagenesis using megaprimers", (1998) Molecular & Cellular Probes 12, 345-348
	20	Buchacher et al (1994) "Generation of Human Monoclonal Antibodies against HIV-1 Proteins; Electroporation and Epstein-Barr Transformation for Peripheral Blood Lymphocyte Immortalization" AIDS Research and Human Retroviruses 10: 359-369
↓	21	Burton et al, "A large array of human monoclonal antibodies to type 1 human immunodeficiency virus from combinatorial libraries of asymptomatic seropositive individuals", (1991) Proc. Natl. Acad. Sci. USA 88, 10134-10137
/NK/	22	Burton et al, "Efficient Neutralization of Primary Isolates of HIV-1 by a Recombinant Human Monoclonal Antibody", (1994) Science 266, 1024-1027
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/NK/	23	Coeffier et al (2000) "Antigenicity and Immunogenicity of the HIV-1 gp41 Epitope ELDKWA Inserted into Permissive Sites of the MalE Protein" Vaccine 19, 684-693			
	24	Collins et al, "Structural dynamics of the membrane translocation domain of colicin E9 and its interaction with TolB", (2002) J. Mol. Biol. 318, 787-804			
	25	Felici et al "Selection of antibody ligands from a large library of oligopeptides expressed on a multivalent exposition vector" (1991) Journal of Molecular Biology 222, 301-310			
	26	Felici et al, "Mimicking of discontinuous epitopes by phage-displayed peptides, II. Selection of clones recognized by a protective monoclonal antibody against the Bordetella pertussis toxin from phage peptide libraries", (1993) Gene 128, 21-27			
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	28	Harlow & Lane in "Antibodies: A Laboratory Manual", Cold Spring Harbor Laboratory, Cold Spring Harbor, New York. 1988. Pages 636-641.			
	29	Huston et al, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", (1988) Proc. Natl. Acad. Sci. USA 85, 5879-5883			
	30	Leitner et al (Eds) "HIV Sequence Compendium 2003" Theoretical Biology and Biophysics Group, Los Alamos National Laboratory, Los Alamos, NM, LA-UR 04-7420. Pages 513 and 564-565.			
	31	Marcaurelle et al, "Synthesis of an Oxime-Linked Neoglycopeptide with Glycosylation-Dependent Activity Similar to its Native Counterpart", (1998) Tetrahedron Letters 39, 8417-8420			
	32	Miyazaki & Takenouchi, "Creating Random Mutagenesis Libraries Using Megaprimer PCR of Whole Plasmid", (2002) Biotechniques 33, 1033-1038			
↓	33	Pakkanen et al, "Assembly of Stable Human Type I and III Collagen Molecules from Hydroxylated Recombinant Chains in the Yeast Pichia pastoris", (2003) J. Biol. Chem. 278, 32478-32483			
/NK/	34	Parren et al, "Antibody Neutralization-Resistant Primary Isolates of Human Immunodeficiency Virus Type 1", (1998) J. Virol. 72, 10270-10274			
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/NK/	35	Parren et al, "Antibody Protects Macaques against Vaginal Challenge with a Pathogenic R5 Simlan/Human Immunodeficiency Virus at Serum Levels Giving Complete Neutralization in Vitro", (2001) J. Virol. 75, 8340-8347
↓	36	Skerra et al, "Assembly of a Functional Immunoglobulin Fv Fragment in Escherichia coli", (1988) Science 240, 1038-1041
↓	37	Trkola et al, "A Cell Line-Based Neutralization Assay for Primary Human Immunodeficiency Virus Type 1 Isolates That Use either the CCR5 or the CXCR4 Coreceptor", (1999) J. Virol. 73, 8966-8974
↓	38	Vos, "B-cell activation by T-cell-independent type 2 antigens as an integral part of the humoral immune response to pathogenic microorganisms", (2000) Immunol. Rev. 176, 154-170
↓	39	Ward et al, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", (1989) Nature 341, 544-546
↓	40	Winter & Milstein, "Man-made antibodies", (1991) Nature 349, 293-299
↓	41	Yang et al, "Highly Stable Trimers Formed by Human Immunodeficiency Virus Type 1 Envelope Glycoproteins Fused with the Trimeric Motif of T4 Bacteriophage Fibrin", (2002) J. Virol. 76, 4634-4642
/NK/	42	Zwick et al, "Broadly Neutralizing Antibodies Targeted to the Membrane-Proximal External Region of Human Immunodeficiency Virus Type 1 Glycoprotein gp41", (2001) J. Virol. 75, 10892-10905

  

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